

Appendix table 5-7.

Percentage and standard errors of 13-year-old students at the indicated level of NAEP science achievement, by sex, race/ethnicity, and region: 1977–96

Student gender, race/ethnicity, and region	1977	1982	1986	1990	1992	1994	1996	*	‡	L	Q
Level 200											
Total	86.0 (0.7)	89.8 (0.8)	91.6 (1.0)	92.3 (0.7)	93.1 (0.5)	92.4 (0.6)	92.0 (0.8)	+	+	-	
Male	87.2 (0.8)	91.9 (0.8)	92.9 (1.0)	92.7 (0.8)	93.1 (0.8)	92.2 (0.8)	93.2 (0.9)	+	+	-	
Female	84.7 (0.8)	87.9 (1.0)	90.3 (1.2)	92.0 (0.8)	93.1 (0.7)	92.6 (0.6)	90.9 (1.2)	+	+	-	
White	92.2 (0.5)	94.4 (0.6)	96.1 (0.8)	96.9 (0.4)	97.9 (0.4)	97.6 (0.4)	97.0 (0.5)	+	+	-	
Black	57.3 (2.4)	68.6 (2.4)	73.6 (3.0)	77.6 (3.6)	73.8 (2.8)	73.5 (3.2)	75.9 (2.7)	+	+	-	
Hispanic	62.2 (2.4)	75.5 (3.3)	76.7 (3.2)	80.2 (2.9)	86.2 (2.6)	81.2 (2.5)	81.0 (2.8)	+	+	-	
Other	80.9 (2.9)	94.2 (2.4)	93.6 (3.8)	88.1 (4.9)	94.5 (1.9)	92.6 (1.9)	90.1 (1.6)	+			
Northeast ..	90.7 (1.4)	91.5 (1.1)	93.5 (1.2)	92.6 (1.8)	91.6 (1.5)	95.4 (1.0)	91.4 (1.7)				
Southeast ..	78.1 (1.7)	83.6 (2.2)	89.8 (1.7)	91.0 (1.2)	90.7 (1.5)	90.6 (1.3)	90.4 (1.4)	+	+	-	
Central	89.9 (1.1)	92.0 (1.3)	91.9 (3.5)	94.6 (1.8)	95.4 (0.8)	94.0 (2.0)	95.8 (1.2)	+	+		
West	83.5 (1.5)	91.3 (1.4)	91.3 (1.6)	91.2 (1.3)	94.1 (1.0)	90.4 (1.3)	90.8 (1.2)	+	+	-	
Level 250											
Total	48.8 (1.1)	50.9 (1.6)	52.5 (1.6)	56.5 (1.0)	61.3 (1.1)	59.5 (1.1)	57.6 (1.1)	+	+		
Male	52.3 (1.3)	56.2 (1.8)	57.3 (2.1)	59.8 (1.3)	62.9 (1.4)	62.0 (1.3)	61.7 (1.4)	+	+		
Female	45.4 (1.2)	46.0 (1.6)	47.7 (1.7)	53.3 (1.4)	59.6 (1.4)	57.1 (1.4)	53.8 (1.5)	+	+		
White	56.5 (0.9)	58.3 (1.4)	61.0 (1.7)	66.5 (1.2)	71.1 (1.3)	70.5 (1.1)	68.5 (1.2)	+	+		
Black	14.9 (1.7)	17.1 (1.9)	19.6 (2.8)	24.3 (3.3)	26.2 (2.8)	22.4 (4.3)	25.5 (2.2)	+	+		
Hispanic	18.1 (1.8)	24.1 (5.1)	24.9 (4.3)	30.0 (2.8)	36.5 (2.9)	31.6 (3.3)	30.9 (3.3)	+	+		
Other	35.6 (4.9)	64.8 (7.1)	52.6 (6.6)	47.1 (10.2)	62.0 (3.9)	58.9 (4.7)	50.2 (4.5)				
Northeast ..	56.1 (2.0)	55.1 (2.7)	59.0 (4.0)	58.1(2.7)	60.4 (2.8)	66.3 (2.0)	56.6 (3.9)				
Southeast ..	37.5 (1.6)	40.1 (2.3)	48.6 (3.3)	52.7(2.7)	57.5 (2.5)	54.6 (3.2)	51.8 (2.6)	+	+		
Central	54.8 (2.0)	54.1 (3.5)	49.5 (6.3)	62.7(3.1)	66.2 (2.2)	64.1 (3.7)	68.6 (1.9)	+	+		
West	44.5 (2.4)	53.0 (3.3)	53.3 (2.8)	53.2(2.2)	60.4 (2.2)	54.6 (2.1)	54.7 (1.6)	+	+		

NAEP = National Assessment of Educational Progress

NOTE: Standard errors of the estimated percentages appear in parentheses.

* Indicates that the percentage in 1996 is significantly larger (+) or smaller (-) than that in 1977.

‡ Indicates that the percentage in 1996 is significantly larger (+) or smaller (-) than that in 1994.

L Indicates that the positive (+) or negative (-) linear trend is significant; Q Indicates that the positive (+) or negative (-) quadratic trend is significant.

SOURCE: National Center for Education Statistics (NCES). 1997. *NAEP 1996 Trends in Academic Progress*. NCES 97-985. Washington, DC: U.S. Department of Education, Office of Educational Research and Improvement.

See figures 5-4 and 5-6 and text table 5-3 in Volume 1.

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